

TIME-SERIES FILE

Pelican Sequestration Project

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1.0 Facility Information

Facility name: Pelican Sequestration Project
Pelican CCS 2 Well

Facility contact: [REDACTED], Project Manager
5 Greenway Plaza Houston, TX 77046
[REDACTED]

Well location: Holden, Livingston Parish, Louisiana
[REDACTED] (NAD 1927, BLM Zone 15N)

This document was created to satisfy requirements of the Geologic Sequestration Data Tool (GSDT) Area of Review and Corrective Action module.

2.0 Time-Series File

The time-series data is included in the zipped data folder provided in the confidential business information. Time series data is included as .csv files for the two injection wells, Pelican CCS 1, and Pelican CCS 2, as well as the four monitoring wells [REDACTED].

A separate file is included for each well. Time (day) refers to the number of simulation days, with time 0 as the start of injection.

2.1 Injection Wells

The data included in the file for injection wells CCS 1 and CCS 2 is as follows:

Time (day), Cumulative Mass Gas Injected (lb), Gas Mass Rate CO₂ (lb/day), Gas Rate Surface Conditions (ft³/day), Well Bottom Hole Pressure (psi).

Bottom Hole Pressure for the injection wells is reported at the following depth for each well:

Pelican CCS 1 Reference Depth, [REDACTED]
Pelican CCS 2 Reference Depth, [REDACTED]

2.1 In-zone Monitoring Wells

The data included in the file for in-zone monitoring wells [REDACTED] is as follows:

Time (day), Average Gas Saturation [REDACTED] (fraction), Average Gas Saturation [REDACTED] (fraction), Average Gas Saturation [REDACTED] (fraction), Pressure [REDACTED] (psi), Pressure [REDACTED] (psi), Pressure [REDACTED] (psi), delta Pressure [REDACTED] (psi), delta Pressure [REDACTED] (psi), delta Pressure [REDACTED] (psi).

Delta Pressure refers to the pressure change from time = 0 (start of injection) to the current time.

Saturation and pressure data was included for [REDACTED] zones at each monitoring well location to capture the gas breakthrough in the various zones. Gas saturation was averaged over a [REDACTED] ft interval to capture breakthrough across the zone, and not just a [REDACTED] ft interval. No gas breakthrough was observed for any of the in-zone monitoring wells in zone [REDACTED] or [REDACTED], therefore these zones were not included. Pressure is reported at the depth of the reference cell.

The grid location of each monitoring well penetration was used, and reference layers from each zone were chosen. The locations are reported as {i,j,k}

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]